



06 Nov 1985

The Missouri Miner, November 06, 1985

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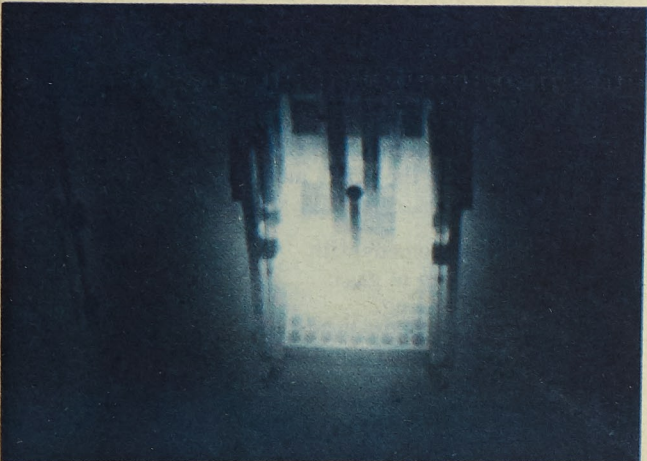
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Nuclear reactor receives license extension



The blue glow of the UMR nuclear reactor core. The effect is called Cherenkov radiation and is safely visible through the water-based shielding of the reactor.

(Photo courtesy of Dr. Albert Bolon)

Power failure closes library

by Steven M. Tillman

Approximately noon Tuesday (October 29) there was a massive power failure due to a fault in a high voltage (12,500 volts) feed line that darkened most of the campus. Once the fault was isolated, most of the campus was soon back on line with the utilization of back-up while the library remained without power for 36 hours. At first the trouble was believed to have come from the new transformer placed into operation last Saturday (October 26). However, after some investigation the fault was traced to a failure of the cable's insulation on the section of cable between the new transformer and the library.

In spite of the power interruption and with only natural lighting, the

library stayed open until 4:30 p.m. Tuesday. According to Mr. Ron Bohley, Library Director, the library was not prepared to handle an extended period without power in that the emergency lighting planned for the basement and stairways is awaiting final approval and funding. Ms. Jean Eisenman, Assistant Director for Public Service, noted that both the Safety Office and University Safety Committee had recommended emergency lighting and she added that Mr. Bohley expected the lighting to be installed in the near future.

With no lights of any type, the basement of the library was pitch black and flashlights were obtained in

see Library page 4

Blue Key provides resume service

submitted by Blue Key

The Blue Key Resume Service was a great success this year. Blue Key sent almost 1200 resumes to 30 companies including IBM, Hewlett-Packard and Southwestern Bell. The Resume Service is a service of the Blue Key Honor Fraternity in conjunction with the UMR Placement office. The resume service was started in 1973 to provide companies with resumes

before the regular sign-up date.

Blue Key again held the Leadership Forum on October 23. Fifty-one freshmen and sophomores attended to learn about such leadership skills as time management, and assertiveness. A second leadership forum will be held on November 21 for junior and senior level students. Topics will include University Policy and more advanced leadership skills.

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by Ted Huff

After finishing off a backlog in license applications that built up in the wake of the Three Mile Island nuclear accident, the Nuclear Regulatory Commission finally renewed the license of the UMR Nuclear Reactor Facility. The facility had been operating on an interim permit since 1979.

According to Dr. Albert Bolon, director of the facility, just filling out the documentation for the renewal took half of the reactor staff's time for over eighteen months. To avoid applying for renewal again in 1989, an extension was requested (and granted) until November 20, 1999. Dr. Bolon expressed pleasure that the tedious paperwork is over for the time being and the reactor can return to its primary function of education and research.

The reactor was one of the earliest commissioned for university use. Its original license was issued in 1959 by the Atomic Energy Commission (now

the Nuclear Regulatory Commission). Operations began in 1961, with reactor materials and controls supplied by the AEC. The building was supplied by the University.

The license permits a peak operating thermal power of 200 kilowatts, which if converted to electricity would supply about 10 average homes. Dr. Bolon encourages students not majoring in nuclear engineering but interested in power generation to take classes in the nuclear engineering department and learn more about the facility.

For those who might like to tour the reactor, the facility is open to faculty, students, and the public even on regular operating days. Because of the size of the crowds that come to visit the reactor on special occasions such as University Day, (for example, 450 in a four-hour period) the staff is then too busy directing tours to also demonstrate reactor operation. However, if you happen to drop in when the reactor is on line during weekdays, or

attend a special tour for a smaller group (such as one sponsored yearly by the Society of Physics Students) it's possible to see the blue glow given off by the reactor in operation. The effect, called Cherenkov (pronounced "Cher-enkov") radiation, is safely visible through the water-based shielding of the reactor. It's caused when charged particles such as electrons travel faster than the speed of light in water. (Yes, "faster than the speed of light." But in water, light travels about 25% slower than in free space. The charged particle might be going faster than light in water but still not exceed Einstein's cosmic speed limit.) Like a sonic boom, caused by an object travelling faster than the speed of sound, Cherenkov radiation might be thought of as a "light boom" caused by a particle travelling faster than the speed of light. "But even if you'll never follow up on my explanation by taking Physics 107 or NucE 203, it might be fun to drop in and see the blue glow," added Bolon.

UMR professors receive outstanding teaching awards

by Steven M. Tillman

The 1984-1985 Amoco Foundation Outstanding Teaching Award was announced last week as John Kincaid, lecturer in Civil Engineering and Dr. Wayne M. Bledsoe, professor of History. Presentation of the award was made at the MSM-UMR Alumni Association Awards Banquet Saturday October 19.

Mr. Kincaid teaches upper-level courses in construction, including estimating and bidding, construction methods, and contracts. These courses are technical electives and each class has between 10 and 30 students. As for teaching Mr. Kincaid believes that:

In being available to students for consultation outside the classroom is one of the most important factors in good teaching. I feel that some of the best teacher-student relationships are developed when the student is attempting to solve problems posed in the classroom, and the instructor can answer individual questions and assist in the problem-solving process on a one-to-one basis. In these classes, I try to pose problems that will relate to situations the students will face in their careers and show them the responsibilities they will be expected to assume.

Mr. Kincaid received his B.S. in Civil Engineering from UMR in 1961

and an M.S. in the same field from UMR in 1972. Both degrees were earned while he was an employee of the U.S. Army Corps of Engineers where he served from 1953 to 1973, rising from the rank of Private to Lieutenant Colonel. Through his career in the Army, he gained experience in cold region construction; construction equipment repair and rebuilding; topographic and geodetic surveying; operation and maintenance of military installation facilities; management of planning, design and construction of water resources; flood control; and navigation facilities.

When he retired from service, he became an assistant director and then director for the wastewater control system of Knoxville, Tennessee. In 1981 he and his family moved to mountain View, Missouri and finally to Rolla where he joined the UMR faculty in September 1982 and has received Outstanding Teacher Awards for the 1982-83 and 1983-84 academic years.

Dr. Wayne Bledsoe teaches a wide range of subject matter. In addition to courses in Western Civilization and ancient and medieval history, Dr. Bledsoe has taught such subjects as ancient Greece, ancient Rome, the Crusades, the early Middle Ages, high Middle Ages, historiography and the

Renaissance. According to Dr. Bledsoe, one of the most important factors in teaching is:

Knowing precisely what you want to accomplish and then following a plan. Good teaching is not a game in which you try to find out what students don't know! Rather, it involves imparting information that you consider important. In general I try to stay away from memorization. I want my students to think and discover the meaningful perspectives in events and, then, correlate these perspectives into an evaluation of results. That's History. Continuing Dr. Bledsoe says I enjoy teaching, I have never found it dull. Having different students each semester keeps the subject matter interesting. It is always a challenge to see what can be accomplished with each new group of students. I'm always trying to improve as a teacher.

Dr. Bledsoe received a B.A. degree in History at Tennessee Temple University in Chattanooga in 1963 and M.A. and Ph.D. degrees in the same field from Michigan State University in 1965 and 1969, respectively. He joined the UMR faculty in 1968 and has received Outstanding Teacher in 1980-81 and 1981-82.

see Prof page 4

Students rate professors outstanding

by Christal Roderique

The Committee for Effective Teaching and Faculty Awards has announced the outstanding UMR teachers for 1984-85.

Awards will be presented Nov. 26 at the UMR General Faculty meeting to fourteen teaching award winners. The winners were selected by the commit-

tee on the basis of student evaluations of the teaching faculty.

Outstanding teachers are: William Andrews, civil engineering; Donald Askeland, metallurgical engineering; John Best, civil engineering; Wayne Bledsoe, history; Ronald Fannin, electrical engineering; Nord Gale, life sciences; Sam Geonetta, speech; John

Kincaid, civil engineering; Leonard Koederitz, petroleum engineering; David Oglesby, engineering mechanics; Jerry Peacher, physics; Jack Ridley, history; and William Tranter, electrical engineering.

Outstanding graduate assistant is Jane M. Robinson, computer science.

calendar of events

Wednesday

Women at Work Series. "Women in Newspapers and Broadcasting: Are They Getting a Fair Shake?" Jean Gaddy Wilson, University of Missouri-Columbia, noon, Missouri Room, University Center-East, \$4.50 for series.

"Mustard Seed." Christians coming together to share faith with one another. If you are a Christian and would like to get to know and fellowship

with other Christians on campus, please come to Mustard Seed, 4 p.m. at the Walnut Room, University Center, Nov. 6. There will be praise, prayers, testimonies and more. Come and find out how God has been working on campus.

ASCE/ITE joint meeting tonight. Stanley Dolecki from Black and Vetch will be presenting a "St. Louis Transportation Study." CE 114, 7 p.m.

Thursday

ASEM—American Society for Engineering Management is having a meeting this Thursday, Nov. 7 at 6:30 p.m. Chem. E. Building.

A Strategic Air Command briefing will be held in Chem G-3 at 7:30 p.m. Strategic Air Command consists of two sides of the Strategic Triad. This includes: MX "Peacekeeper," the minutemen missiles, B-2's, B-1B's, KC-135's, KC-10's and the SR-71. All faculty and students are welcome.

UMR Film Series. "The Brother From Another Planet." 7:30 p.m., Miles Auditorium. Mechanical Engineering Building. Season ticket or \$3 at the door.

Friday

Mathematics Seminar. "The Force on a Lattice Defect in a Nonlinear Elastic Body." Dr. Romesh Batra, UMR, 3:45 p.m., 209 Math-Computer Science. Free.

Boxing at it's finest! Lambda Chi Alpha 7th Annual Night at the Fights is 8 p.m., Friday, Nov. 15 at the National Guard Armory. Tickets are \$3.00 in advance and \$3.50 at the door. They are available from any member and from Key Sport Shop. Get your tickets now and be a part of Rolla's greatest sporting event.

Saturday

The Trap & Skeet Club shoots every Saturday at 9 a.m. For more information call Ken Fynam at 364-6691 or Don Price at 341-3417.

"New Horizons in Engineering." Society of Women Engineers Conference, 8 a.m.-5:30 p.m. Registration fee of \$5. To register contact Society of Women Engineers, 204 Rolla Building, 341-4212.

Sunday

UMR Orchestra, 2 p.m., Centennial Hall. Free.

Monday

Chemistry Seminar. "Soluble Metal Sulfides." Dr. James K. Bashkin, Monsanto, St. Louis, 4:30 p.m., Room 125 Schrenk Hall. Free.

Visiting Professor Lecture. "An Introduction to Penetration Mechanics." Dr. Thomas W. Wright, Ballistic Research Laboratory, Aberdeen Proving Grounds, Md., 3:30 p.m., Civil Engineering Auditorium. Free.

Christian Campus Fellowship will have their Monday Night Fellowship at 7 p.m., Missouri Room, University Center-East. There will be singing, Bible study, prayers and fellowship. All are welcomed. Sponsored by the Christian Campus House.

Tuesday

KME Meeting. Tuesday, Nov. 12 at 8 p.m. Room 202 Math-Computer Science. Refreshments served.

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ROLLA CRAFT & HOBBY
1009 Pine Rolla, MO 364-5581

UMR Film Series

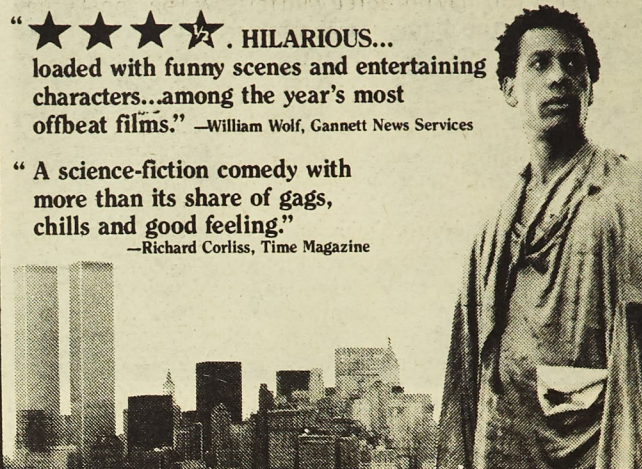
"BROTHER" IS JOHN SAYLES' BEST FILM YET!
It's 'Mars On The Hudson', 'Cheers Goes To Harlem', and 'E.T. Rides The Underground Railroad' rolled into one."

—Carrie Rickey, Boston Herald

★★★★★. HILARIOUS...
loaded with funny scenes and entertaining characters...among the year's most offbeat films." —William Wolf, Gannett News Services

"A science-fiction comedy with more than its share of gags, chills and good feeling."

—Richard Corliss, Time Magazine



THE BROTHER FROM ANOTHER PLANET

a new film by John Sayles Cinecom

Thursday 7:30 Miles Auditorium
\$3.00 or Season Ticket

TUTORING SERVICES

ALPHA CHI SIGMA

Assistance offered in Chemistry and Chemical Engineering
Sessions from 7-9 p.m.
Tuesday and Thursday
126 Chemical Engineering Building

KAPPA MU EPSILON

Algebra through Calculus II
7-8 p.m.
Tuesday and Thursday
202 Math/Computer Science Building

SOCIETY OF PHYSICS STUDENTS

Assistance offered in Physics
7:30-9 p.m.
Tuesday
129 Physics Building

ENGINEERING MECHANICS DEPARTMENT

EM 50, 3:30-5:20 p.m., Monday
EM 110, 3:30-5:20 p.m., Tuesday
EM 150, 3:30-5:20 p.m., Thursday
105 Engineering Mechanics Building

MATHEMATICS AND STATISTICS DEPARTMENT

Algebra, Trigonometry, and Calculus
8 a.m.-1:30 p.m.
Monday-Friday
Study Room 12, 3rd floor of the Library

MINORITY AND WOMEN ENGINEERING PROGRAM TUTORIAL SERVICES

Assistance offered in the following subjects: Physics, Math, Engineering Mechanics, Electrical Engineering, Engineering Graphics, Chemistry, Psychology, Engineering Management, Computer Science, English, Chemical Engineering, Mechanical Engineering, Economics, Life Science, Music, and Political Science.

Missouri Miner

The Missouri Miner is the official publication of the students of the University of Missouri-Rolla. It is published each Wednesday at Rolla, Missouri and features activities of the students of UMR.

Submissions for Publication must be in our drop box (first floor of the Rolla Bldg.) by 12:30 p.m. on the Friday before publication or may be brought to the staff meetings at 1:30-2:30 p.m. on the same Friday.

Advertising information may be had by contacting the Advertising Director as listed below.

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comments

Opinions

Club won't solve DWI

by Cynthia Tweedy

The "I'm Driving" club is a nice idea, but several facts have been overlooked.

First of all, in the state of Missouri, it is illegal for anyone under the age of 21 to buy, possess or consume alcohol. You may not agree with this law. I personally feel that there is no magic age. In some parts of Europe there is no "drinking age." Therefore, alcohol is not used as a rite of passage. (i.e. It is not commonplace to go out and get drunk on one's birthday.) If you disagree with the idea of a magic drinking age, I would suggest that you work to change things, rather than ignore the law and risk legal action. (It wouldn't look very good on job applications.)

DWI is a serious problem. The costs in lives and money are outrageous. The University health insurance does not cover injuries occurring while under the influence of drugs or alcohol. Other companies may have the same policy. Causing an accident while under age and under the influence can result in your family losing everything. Even those who are not legally drunk can be a hazard to other drivers. Don't drive after drinking.

Additionally, it is my opinion that the drinking riders should pay for the driver's soft drinks, rather than the restaurants and bars. If the riders pay, they will be more likely to actually collect on the ride. Again, in Europe the driver puts the car keys in a glass in front of him so that the waiter knows why he isn't ordering drinks.

The "I'm Driving" club has good intentions and it does bring alcohol awareness into the forefront, but is by no means a total solution.

letters to the editor

Make spies pay the ultimate price

Dear Editor,

In recent months, there have been several cases of espionage against the United States. Employees of various agencies have been disclosing classified information to other countries, mainly communist countries.

Acts of this type jeopardize our nation's security and, even worse, the

lives of many people. Whenever a photograph is compromised, our spying methods run the risk of being discovered. Secret agents in other countries that are involved in taking the photographs are constantly in danger of being caught, tortured, and murdered. Compromised photos taken from satellites (satellites costing the taxpayer

millions of dollars) can disclose their locations and capabilities, thus allowing the "spied upon" to take preventative measures against future aerial spying.

One of the more devastating cases of espionage within the last six months is the defection of Edward Howard. Howard, having been fired from the CIA, has been missing since September and presumably is now in the Soviet Union. He is accused of disclosing to the Soviets the spying methods of A.G. Tolkachev in the Soviet Union. Tolkachev was captured and probably killed. Just last week, in another case, John Walker, Jr. and his son, Michael, pleaded guilty to charges of espionage. The father had been passing classified documents to the Soviet Union for the last 17 years. He even had in his apartment a US Navy message decoder. If the Soviets got that, the US is in serious trouble.

Something needs to be done about this type of threat to world peace. There are too many people holding security clearances in this country. The more sensitive information should be highly restricted. And to help prevent further espionage against the United States, "punishments fitting the crime" need to be handed out. Any crime that involves the well-being of over 200 million people should be punished the old-fashioned way—the guilty should be blindfolded, stood against a wall, and shot.

Jeffrey Bollini

Feeler feels censorship

Dear Editor,

A painting by Wayne Feeler was censored from an exhibit in the foyer of the University Center West during Liberal Arts Week. The censored painting was a figure study of a nude woman. It is explicit and it may have offended, embarrassed, or even shocked some people, but it should not have been removed from the display. Besides violating the artist's right to freedom of speech, its removal undermined the goals of Liberal Arts Week and constitutes conduct unbecoming of this university.

Wayne Feeler was invited by representatives of Liberal Arts Week to show his works on campus. Before he accepted the invitation, he asked for and was given an assurance that his work would not be censored. He hung his show (7 paintings in all) on Tuesday of Liberal Arts Week and found when he collected his works a week later that the nude had been taken

down. Whoever removed it, or ordered its removal, overstepped their authority, discredited the word of university representatives, and imposed their prudish values and narrow conception of artistic merit on us all.

This is not the first time a nude painting by Wayne Feeler has been censored in Rolla. Two years ago, a nude he exhibited at the country club was moved from its display into a back room where it was privately shown to good old boys who wanted a thrill. Feeler expected better treatment of his work at UMR, but was not told of any objections to his work, was not asked to remove it, and was not informed when it was taken down.

The university owes Wayne Feeler an apology. And whoever censored his work owes an apology to the university community for denying us access to his art.

—Erick Erickson

Open up your mind, engineer

Dear Editor,

Life at UMR is demanding to say the least. Many times students wish there were thirty hours in a day. So many times we switch into auto-pilot trying to get so much done in so little time. Sometimes we can miss the obvious in our haste.

What joy it brings when a baby is born. Just to see that bundle of life, truly a miracle, can touch anybody. But many people have not considered how or why life came into being.

Science has sincerely tried to explain life as a chance occurrence. However, nobody has been able to prove this theory. In fact many observers believe evidence points to something else.

This is a challenge to everybody. Leave the job, school, boy or girlfriend and anything else on your mind and take a long walk into the woods. Open your mind up, take a deep breath and consider these questions: Who am I? Where did I come from? Where am I going?

With these in mind look around and notice: animal life, plant life, the oxygen and carbon dioxide exchange in your body and the other many complex operations in your body, look at the smallest insect and the tallest tree,

observe the changing seasons, gaze into the heavens (Hey, they go on for INFINITY!). Stop, look and listen. Notice how complex nature is and the interaction between all the elements. Seems as there is a master plan the universe follows. Somebody knew what He was doing when the universe was created. Maybe there is a God out here.

Now look again at the interaction of the universe. If God created a universe that consists of interaction, would He

not also wish to interact. Would He not want to be a part of His creation? Maybe He truly wishes to interact with you. Now that sounds like a big task, and it is. Many have tried to find God, yet have fallen short. But there is hope. If you desire to know God, let Him find you, call out for Jesus. He's passing by, let Him into your life, then you can REALLY smell the roses.

—Ron Olkiewicz
Christian Campus House

More on religion— an attempt to close the gap

Dear Editor,

It is nice that we all have our views on religion and things to worship, but some of us are missing the point. This is a free country, and we may or may not have almost any relationship we desire with the supernatural. Unfortunately, some people, through this paper, seem to want to scare others into being labeled with their religion as opposed to other religions or no religion at all. It is at this point that comments should be presented in an

attempt to close the gap between the god fearing, the god loving, and the non believers.

Religion is a good pacifier for many people, and I think that to threaten people in the name of religion is a moral atrocity. Wake up, you few authoritarian "Christians!" There is more than one side to every story, including religion. Religion is a very personal thing. (have I heard this before?) and defacing religion in the

see Religion page 12



BALANCED BUDGET
HOUSE ENDORSES GOALS, NOT SPECIFICS

"YOU CAN RUN, BUT YOU CAN'T HIDE."

UM to become the university of the twenty-first century

by Steven M. Tillman

The University of Missouri has proposed a plan that would integrate University land and private funds to develop the University of the 21st century. This plan is modeled after the successful University City Science Center in Philadelphia and other office/technology parks near major universities. The development offers numerous possible advantages to the University, cooperating businesses and industries, and citizens of the state.

The University's long ranged goal, as the state's public research institute is to develop research programs that would respond to problems of the state and to pursue joint research programs

with industry. A cooperative venture, such as that proposed in Kansas City will offer faculty and graduate students consultancies, internships and opportunities to participate in ongoing research with practical applications. With this plan it is hoped that industry researchers might serve as adjunct faculty or lecturers, lending their expertise to the classroom. Top-notch research facilities and the University's brainpower will attract some of the best minds in the nation to the area, perhaps to serve joint appointments with the University and industry. Already, UMKC's joint venture with United Telecommunications Inc. has enabled the University to recruit exceptional faculty.

From industry's viewpoint, access

to excellent libraries—such as the privately endowed Linda Hall Science Library located on the UMKC campus and the Nelson Gallery of Art, Kansas City Art Institute, Midwest Research Institute and other surrounding facilities and to the research aid of professors and students is a real boom. In addition, the prestige of being associated with a research park and the creativity that is spawned when people and ideas from various disciplines mix is an advantage for all involved.

At UMKC the computer science and telecommunications programs (these are the programs that the Board of Curators have marked for eminence status) will help attract outside firms to the North Campus Development (see Summary) and, in turn, interest

and resources from those firms will strengthen the academic programs.

The ultimate beneficiaries of the development project would be the citizens of Missouri, United States, and perhaps even the world. The project would boost economic development efforts in the Kansas City area and, of course, increase the tax base.

Although it is projected that the University will not realize any income from the development in the first ten years, public and private research funding generated by the project promises substantial financial gain. Finally the development team of Continental Development Group (New York) and Kroh Brothers (Kansas City) will provide the capital investment needed to develop this project; their compensation will come in the

form of the shared income from the project.

Summary—

UMKC North Campus Development Location: Urban site north of UMKC Campus, bounded by 47th Street on the north, Volker Boulevard on the south, Locust Street on the west, and Troost on the east.

Acres to be Developed: 53 on 68 acre site.

Development Cost: \$270 million for infrastructure and buildings.

Office and Research Space Generated: 2.4 million square feet, 45 percent office space and 55 percent research space.

Jobs to be Generated: 4,000-6,000
Completion Date: First tenant building completed by 1988, and complete development within 12-20 years.

UM receives appropriations for computing needs

by Steven M. Tillman

A special one-time state appropriation of \$5,865,890 for academic computing equipment for the University of Missouri has been authorized. Through a study of the computing needs, for the four campuses, a computer plan has been developed to help UM take maximum advantage of this special appropriation. The following are the elements of the plan as developed:

1. Improve instructional computing in a way that is consistent with the University's overall plan for computing, and is to be completed by the end of the fiscal year.

2. Set goals for academic computing based on the campuses' academic program needs and on technological

needs.

3. Establish a network for sharing information throughout the University, using both voice and video technology. The network would connect departmental, campus and intercampus networks and provide access to national and international networks.

4. Establish a partnership between UM-Kansas City and UM Computing and Information Technology to guide the development of the University Information Network.

5. Establish partnership with information processing industries to assist in achieving academic computing goals.

6. Provide additional non-prime computing time for academic programs.



Prof

from page 1

Dr. Bledsoe has written a book entitled, "The Advent of Civilization," as well as a number of articles. He also was the recipient of a Rotary Foundation Educational Award which provided an International Fellowship for research in Australia during the 1982-

83 academic year. Finally Dr. Bledsoe is a member of the Rolla Optimist Club and is president of the Rolla High School Athletic Booster Club. He also is the host of a weekly bluegrass music program on public radio station KUMR-FM.

Library

from page 1

order to rescue those students that were studying when the lights went out and to assist those with lockers in the basement in retrieving books and notes. Even with the windows in the stairway, the stairs were becoming dangerous late Tuesday evening. With

the possibility that someone could injure themselves in a dark stairway, Mr. Bohley closed the library Wednesday. Finally late Wednesday, around 11 p.m., power was restored to the library, approximately 36 hours after it had originally gone off.

Our three-year and two-year scholarships won't make college easier.

Just easier to pay for.

Even if you didn't start college on a scholarship, you could finish on one. Army ROTC Scholarships pay for full tuition and allowances for educational fees and textbooks. Along with up to \$1,000 a year. Get all the facts. BE ALL YOU CAN BE.

For further information, contact Major Terry Bartkoski or Captain Bob Daniels at 341-4740, Army ROTC Bldg. T-2, between the EE Bldg. and the UMR Library.

ARMY RESERVE OFFICERS' TRAINING CORPS

sports

Royal Blue reign champs

by Michael Blechle

The baseball season is over for now, but before we put the 1985 season on file, here is one last look at how we blew our lead and lost the series.

Even though the Cardinals didn't lose the World Series until Game 7, they seemed to lose their psychological edge in Game 5. Despite the Cardinals 3-1 game lead over the Royals, many fans seemed to concede Game 5 to Kansas City when Bob Forsch was announced as the starting pitcher. As the game went on, the hopes that Cardinals would again win the World Series at home faded away. With a bit of nervousness we bid the Cards farewell.

The next few days were spent reading and hearing about the questionable condition of Danny Cox and his elbow. In Game 6, Cox proved that it was not his pitching but his teammates hitting that was questionable, for sports writers and philosophers searching for something to call the turning point in the series, the ninth inning of Game 6 would have to be it.

The Royals' comeback evened the series and things were looking bleaker for the Cards. Game 7 was similar to Game 7 of the American League Championship Series. Kansas City jumped out to their early lead. When John Tudor, the Cardinal ace, gave up a home run, Cardinal fans found a lump in their throats.

The game turned into an unwatchable nightmare as Whitey Herzog got thrown out of the game and Andujar vented his frustrations on the American League umpire. The game finally ended and Kansas City had won their first World Series.

Every channel you turned to last week, had painful highlights of the World Series and congratulated the Royals on their win. The papers have also been full of articles with commentaries and quotes evolving around the events of Game 7 of the series. The Cardinals, in frustration, obviously blew their cool but any article or writer that questions the character of the Cardinal team as a whole is ridiculous and unprofessional. A recent article in *Sports Illustrated* makes Howard Cosell's stabbing remarks about the Cardinals in the past seem modest.

Before I go, here are some final observations on possible personnel shuffling. Porter was the key reason the Cards won the Series in '82, but his lack of regular season consistency and Nieto's inexperience leave the Cards with a weak catching position that needs to be resolved. Bob Forsch is passing his prime and the Andujar soap opera continues. St. Louis needs

See Royals page 10

UMR shoot bullseye

by Dan Moran

Over homecoming weekend six members of the UMR Trap and Skeet Club traveled to Champaign Illinois to participate in the second annual Illinois Open Trap and Skeet Tournament. Needless to say the team did quite well.

On Saturday Club president Ken Fynan shot a ninety-two out of one hundred in the trap competition. The team took a second place overall in trap. On Sunday the team shot well in the skeet competition. Jim Russel, Ken Fynan and Don Price all shot an 87 to place 9th, 10th and 11th respectively.

Brian Christenson and Chris Johnson both shot an 81 to group together at 17th and 18th. With this excellent grouping tied the team for second place but was defaulted to third because they weren't present for a shoot-off; they had already headed for UMR to study.

The Club is very proud of its shooters and welcomes anyone who would like to come find out about trap and skeet shooting. You don't have to be good to enjoy it. We shoot every Saturday morning at 9:00. If you would like more information please call Ken Fynan at 364-6691 or Don Price at 341-3417.



Runners place third

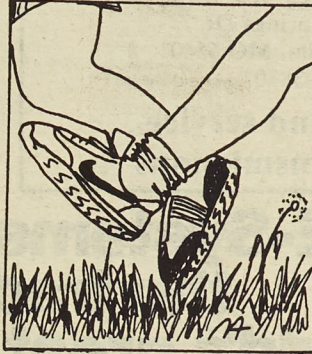
by Mike St. John

The Miner cross country teams have improved their times significantly since they ran at Southeast Missouri State University a month ago. This time the Miners were competing at the Missouri Intercollegiate Athletic Association (MIAA) Conference Championships in Cape Girardeau.

Both the men and women did well. The men finished third as a team behind Southeast and Northwest Missouri State University. The women, however, only had four runners finish the race and consequently did not place as a team. Amy Volmert suffered an injury in the women's race and could not finish.

Julie Board was the only Miner to achieve all conference honors as she finished fourth in the women's race with a time of 18:52. It was Julie's second best time of the year for the five kilometers. Janet Olson ran a personal best time of 21:01 and finished

twenty third overall. Elizabeth Mueller also set a personal record at 22:29 and finished twenty eighth. Samantha Moss's time of 25:21 placed her third.



"Everybody improved from their previous time," said head coach Sarah Preston. "We were proud of the way

they finished," she added. "they did real well."

The men's team also did real well. Tim Swinfard just missed all conference honors with his eleventh place finish in 25:29. All conference is awarded to those runners who finish in the top ten of their respective races. Kurt Whittet was the second Miner to finish the men's race. Kurt ran his best time of 26:03 and finished fifteenth overall. "I was pretty happy," Whittet said, "that was a personal record for me."

Jeff Balmer, Ron Rosner, Curt Elmore and Bruce Berwick finished twentieth, twenty fourth, twenty sixth and thirty eighth, respectively. "We averaged about a minute faster than before," said head coach Dewey Allgood. "We hoped to finish at least third," he said.

The Miners' next meet will be the NCAA division II regional in Ashland College in Ohio on November ninth.

Sports Quiz

Q. For what college did Sonny Jurgensen play football? A. Duke

Q. Who played the first-ever college soccer football game?

A. Rutgers and Princeton in 1869

Q. Where was Vince Lombardi born and what college did he attend?

A. The late great Packer and Redskins coach was born in Brooklyn, NY and attended Fordham University.

Q. How long has Pete Rosell been commissioner of the N.F.L.?

A. Since 1960

Intramural action

by John Schwarz

Billiards action was completed this past weekend as the intramural race continues. Vets Club and TJ-N took first and second in men's singles as Sig Ep and Kappa Sig shot their way to first and second in the men's doubles tournament. Congratulations!

The table tennis tournament bounces into action this weekend, Nov. 8-10, with the entries due at the intramural managers meeting tonight at 5:30. Soccer and Volleyball action continues until the end of November.

M-Club

Athlete of the Week

Scott Finhe, a senior defensive end for the Miner football team, has been chosen M-Club Athlete of the Week. Scott had 12 tackles, 3 quarterback sacks and one interception in the Miners 34-3 win over Lincoln University. Congratulations Scott.

University Center East Cafeteria

Thursday, November 7

Pork Chops
Veal Parmesan
Tuna & Noodle Casserole
Carved Pork

Friday, November 8

Beef Stroganoff over Noodles
Teriyaki Cod
Cheddar & Broccoli Quiche
Carved Turkey

Monday, November 11

Beef Turnovers
Beef Teriyaki
Breaded Filet of Cod
Carved Turkey

Tuesday, November 12

BBQ Pork Chop
Roast Turkey & Dressing
Hungarian Noodle Bake
Carved Ham

Wednesday, November 13

Beef Empanades Breast of Turkey Divan
Eggplant Parmesan Carved Beef

Menu Subject to Change

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Miners defeat Bearcats, title hopes are alive

source: OPI
Rolla, Mo.--"It took us a while to get going, but we woke up in time," said University of Missouri-Rolla linebacker Glenn Wilhelm following Saturday's 28-19 come-from-behind victory at Evangel College.

Wilhelm and the Miners trailed the Crusaders 19-0 early in the first half before scoring 28 unanswered points to grab their fifth win against three losses. The victory also set up UMR's key MIAA game with Northwest Missouri State this weekend. The Miners,

3-1 in the conference, host the Bearcats in a 1:30 p.m. game and must win to keep any hope of a league title alive.

Saturday's win at Evangel College was a game marred by turnovers, as the Miners lost three fumbles and threw four interceptions. The Crusad-

ers lost one fumble and had two passes picked off. A strong offensive performance by quarterback Brad Haug, however, finally put the Miners on top.

Haug connected on 18 of 25 passes for 255 yards and two touchdowns.

The Miners' split ends did most of the damage, as Joe Schnefke had eight receptions for 95 yards and a touchdown catch of eight yards, and Ron Hutchcraft grabbed four passes for 98 yards and a touchdown reception of 67 yards.

The Miners added touchdown runs by Mike Meyer and Mike Vehige, rolling up 411 yards of total offense. Evangel, capitalizing on UMR turnovers, scored three times in the first half on touchdown runs by Tony Dollinger. The senior tailback ended the day as the game's top rusher with 94 yards.

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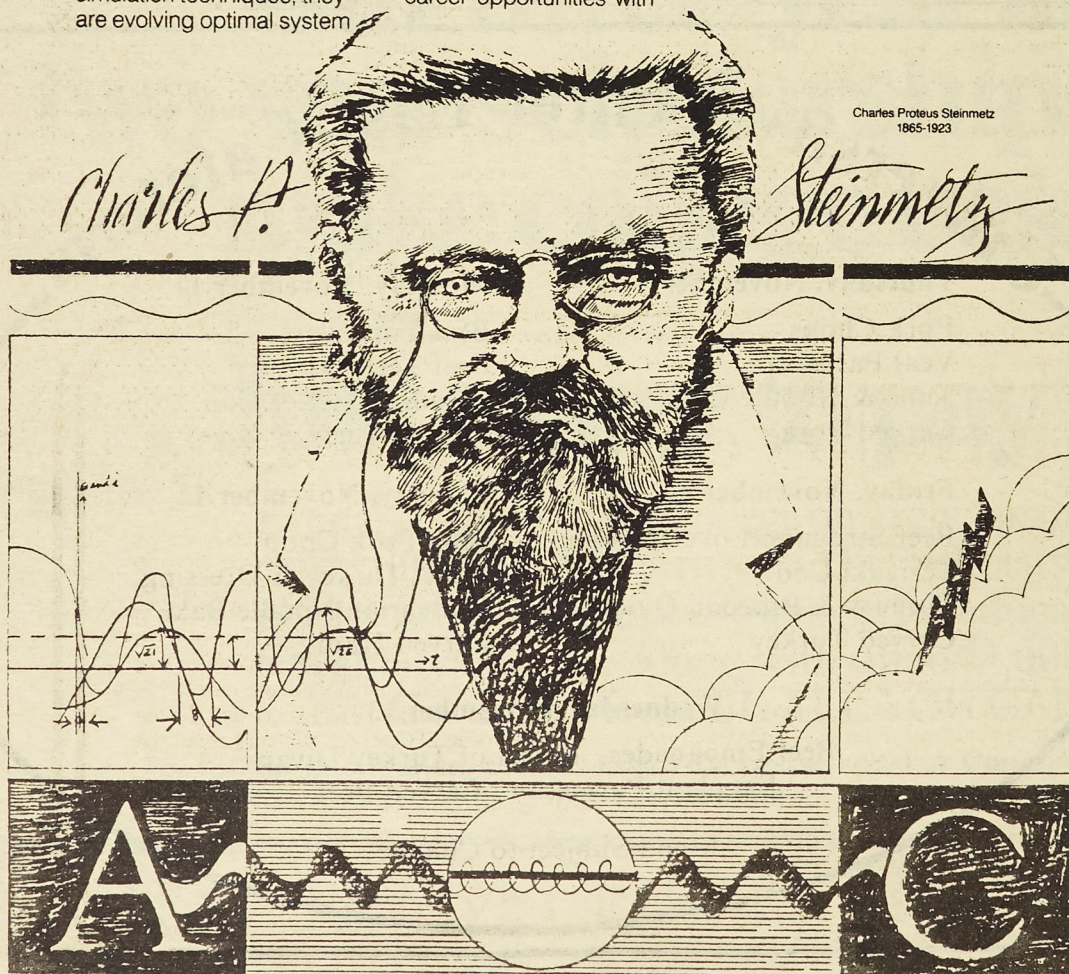
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The UMR defense was paced by Wilhelm's 14 tackles and one pass interception, while defensive end John Frerking had eight tackles. Dan Carmody also intercepted a pass for the Miners.

"We have to defeat Northwest Missouri to have a chance at a share of the MIAA title," head coach Charlie Finley said. "We then have to hope that Southeast Missouri defeats Northeast Missouri in their Nov. 19 showdown at Busch Stadium." The Bulldogs hold a 4-0 record in league play and have a non-conference game next week.

The Miners lost at Northwest Missouri 14-6 last season in the 1984 finale.

Royals

from page 9

to look for another starting pitcher, although not a replacement for Andujar.

St. Louis fans are learning to accept whatever trades Whitey makes, no matter how shocking they seem at the time. There are many trade rumours already circulating so we'll have to see what changes Herzog has in mind when a hungrier Cardinal Baseball team returns in 1986.



placement

permanent

CAREER DEVELOPMENT WEEKLY DETAIL SHEET PERMANENT EMPLOYMENT

SIGNUP LOCATION: Buehler Building
9th & Rolla St.

SIGNUP HOURS: 8:00-10:30 for AM Interviews
1:00-3:00 for PM Interviews

INTERVIEWING NOVEMBER 14, 1985

SHERWIN WILLIAMS, CONSUMER DIV., Cleveland, OH
Interviewing recent grads, 2-5 yrs. Dec. 1985
or May 1986 grads with BS/MS/PhD in Chemistry
or Polymer Science. Will interview limited
number of BS/Chemistry or Polymer Science grads.
JOB LOCATION: Cleveland, OH
INTERVIEWER: unknown
INTERVIEW DATE: Thursday, Nov. 14, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Wednesday, Nov. 6, 1985
REGULAR SIGNUP: Thursday, Nov. 7, 1985

INTERVIEWING NOVEMBER 20-21, 1985

LIBERTY MUTUAL INSURANCE CO., St. Louis, MO

Interviewing DECEMBER 1985 grads with BS in
Engineering Management for Loss Prevention Rep.
U.S. CITIZENSHIP REQUIRED. 45 MIN. INTERVIEWS.
JOB LOCATION: entire midwest area; major cities
INTERVIEWER: Richard Heavrin
INTERVIEW DATES: Wednesday, Nov. 20; Thursday, Nov. 21
NUMBER OF SCHEDULES: 1 ea day
PRIORITY SIGNUP: Tuesday, Nov. 5, 1985
REGULAR SIGNUP: Wednesday, Nov. 6, 1985

INTERVIEWING NOVEMBER 21, 1985

BUSSMANN, DIV. OF COOPER IND., St. Louis, MO

Interviewing MAY 1986 grads with BS in Comp Sci
for Systems Programmer. MUST HAVE 3.0 G.P.A. OR
HIGHER.
JOB LOCATION: St. Louis
INTERVIEWERS: Steve Oliver
Terry Kuhn
INTERVIEW DATE: Thursday, Nov. 21, 1985
NUMBER OF SCHEDULES: 1
PRIORITY SIGNUP: Wednesday, Nov. 6, 1985
REGULAR SIGNUP: Thursday, Nov. 7, 1985

Following is a tentative list of companies scheduled to interview during
Spring 1986 semester. Any last minute changes, additions, cancellations,
etc., will be posted in the Weekly Detail List, which is scheduled to
be available on January 6, 1986.

January 29, 1986

Bethlehem Steel
Ford Motor Co.
GTE
Ingersoll Rand
Martin Marietta-Denver Aerospace
Martin Marietta-Orlando Aerospace
Sargent & Lundy
Square D (Cedar Rapids)

January 30, 1986

Anheuser Busch
Bethlehem Steel
Fisher Controls
Ford Motor
Gardner Denver
Martin Marietta-Denver Aerospace
Natural Gas Pipeline
Sargent & Lundy

February 3, 1986

Dowell Schlumberger
Texas Utilities Services

February 4, 1986

ALCOA
AT&T
Bendix-Allied Corp.
Central Illinois Public Service
Conoco-Petroleum Products
Granite City Steel
IBM (Interviews & Signups to be
held in Centennial Hall)
Northrop Corp.
Procter & Gamble-Product Dev.
Trane Co.

February 5, 1986

A.E. Staley
AT&T
Bendix-Allied Corp.
Burlington Northern
Conoco-Petroleum Products
Goodyear Aerospace
Granite City Steel
IBM (Interviews & signups to be held
in Centennial Hall)
Procter & Gamble-Prod. Dev.
Rogers Corp.
Trane Co.

February 6, 1986

ARCO
AT&T
Bendix-Allied Corp.
Hewlett Packard
IBM (Interviews & signups to be held
in Centennial Hall)
Inland Steel (Hartor Works)
Public Service Co. of Colorado

February 7, 1986

Allied Bendix (NJ)
Emerson Electronic & Space
E Systems
Hewlett Packard
Marathon Pipeline
Naval Weapons Center-Corona, CA
Norfolk Southern

February 10, 1986

Dresser Atlas
Emerson Electronic & Space
Frito Lay
MCC Powers
Shell Oil

February 11, 1986

American Electric Power
Boeing Military-Wichita
Dow Chemical
Ethyl Petroleum Additives
General Motors
Lever Brothers
Northern Indiana Public Service
Olin Corporation
Rockwell International (Cedar Rapids)
Shell Oil

February 12, 1986

American Electric Power
Black & Veatch
Conoco, Inc.
General Motors
Lever Brothers
U.S. Gypsum

February 13, 1986

General Motors

February 14, 1986

Frito Lay
Intel
Texas Eastern Transmission

February 17, 1986

Chevron
Hughes Aircraft
Johnson Controls (Dallas)
McDonnell Douglas Corp.
Otis Elevator
Southwestern Bell

February 18, 1986

Arkansas Best
Chevron
Halliburton Services
Hughes Aircraft
Illinois Power
Maytag
McDonnell Douglas Corp.
PPG Industries
Southwestern Bell

February 19, 1986

Arkansas Best
General Electric
Mobil Oil (Dallas)
Northern Illinois Gas
PPG Industries
Professional Services
Texas Instruments

February 20, 1986

Arkansas Best
General Electric
Halliburton
Motorola
Texas Instruments

February 21, 1986

Harris Corporation
U.S. Army Materiel Command
(DARCOM)

February 24, 1986

EDS
Sperry Flight
Union Carbide

February 25, 1986

Burns & McDonnell
Caterpillar
Data General
EDS
Factory Mutual

National Steel
Procter & Gamble-Mfg. Mgt.
Schlumberger Well Services
Union Carbide
U.S. Navy
United Telephone (KC)

February 26, 1986

Amoco Oil (RTE)
Arkansas Power & Light
Bell Helicopter
Caterpillar
Iowa Electric
NCR Engr. & Mfg. (Wichita)
Procter & Gamble-Mfg. Mgt.
R.R. Donnelley (Mattoon)
Schlumberger Well Services

February 27, 1986

Bell Helicopter
Ceco
General Dynamics
Halliburton
Kansas City Power & Light
Naval Weapons Ctr.-China Lake
Pacific Missile Test Ctr.
Procter & Gamble-Mfg. Mgt.
Schlumberger Well Services
Tinker AFB
Topaz, Inc.
Union Electric

February 28, 1986

General Dynamics
Naval Weapons Ctr.-China Lake
March 4, 1986

Corps of Engineers-Vicksburg, Miss
Naval Avionics
Oklahoma Gas & Electric
Texas Eastman-Longview

March 5, 1986

Texas Eastman-Longview

March 6, 1986

Kiewit Western

March 7, 1986

Wells Mfg. Company

March 12, 1986

Litton-San Carlos, CA

March 26, 1986

Sverdrup Technologies

SPRING 1986 GRADS:

Note: Prior to signing up for interviews for Spring 1986, interview
candidates should re-register with Career Development. We request
that 30 copies of your resume be turned in at the time of registration.

FALL 1985 GRADS:

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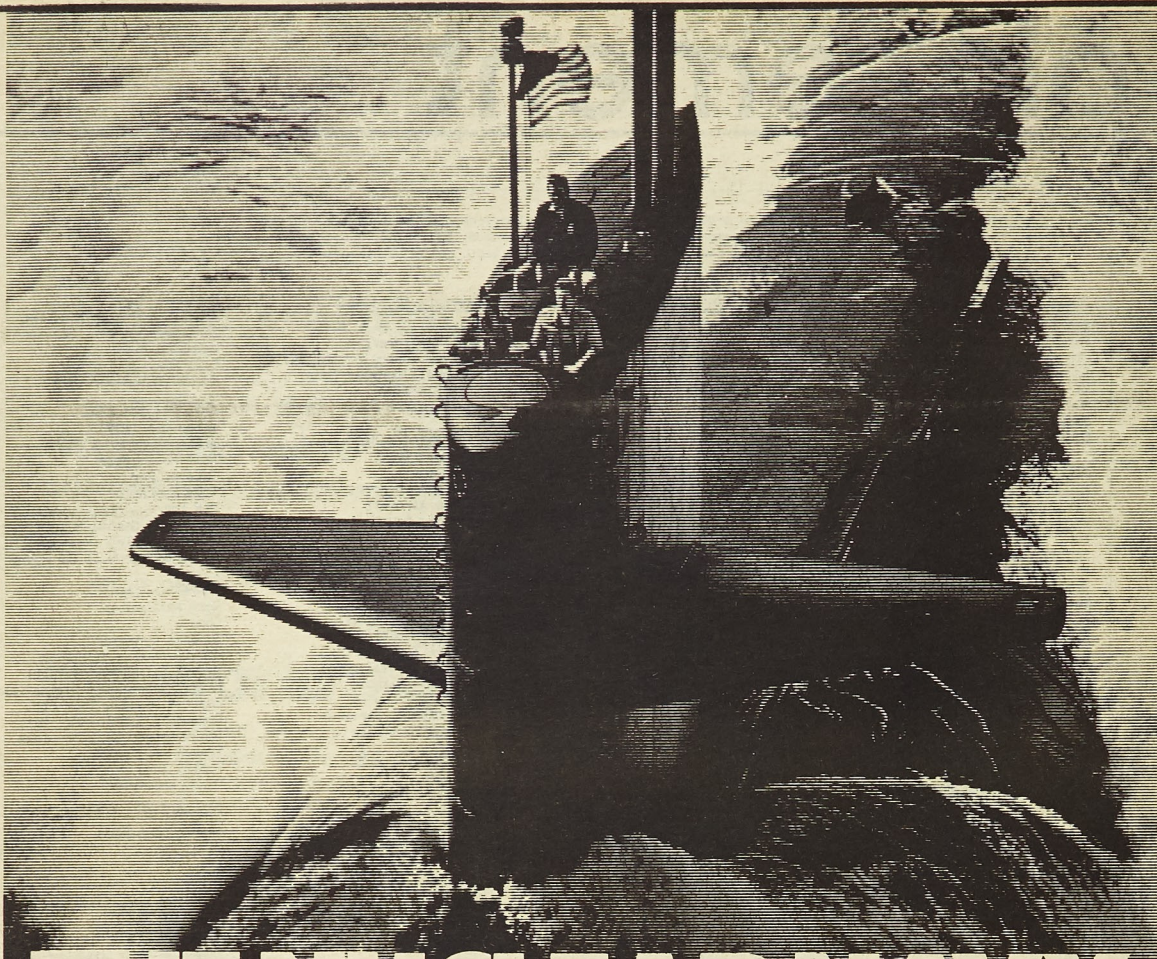
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Voices of Inspiration's Fall concert coming up

by John Collins

Varsity chorus. . . definitely not. Religious glee club. . . no chance. Gospel choir. . . well maybe. The vocation in which the Voices of Inspiration (VOI) most appropriately fit is a singing ministry. VOI was founded back in 1980 under a different title. Two years later in the spring of '82, what was previously known as the Black Voices Gospel Choir evolved to be what we know now as the Voices of Inspiration Singing Ministry.

Under the new title, VOI responded to the growing need for salvation on the UMR campus and throughout the state of Missouri. From Kansas City to St. Louis down to Maudlin and back up to Windermere, the VOI have found extreme pleasure in spreading the love of God in song, prayer, testimony, drama and true Christian fellowship.

This upcoming Sunday, at 3 p.m. we would like to make a special appeal to all UMR students to come out to the new Baptist Student Union for our annual fall concert. Joy and peace of mind are said to be found in this semester's theme. "If we would only have faith in Him." But you'll have to come and see for yourself what it holds for you. We hope to see you, 3 p.m., November 10th at the Baptist Student Union across from Kelly Hall in the Quad.

Religion

from page 3

name of a god you self-righteously personify as unforgiving and dictatorial is simply not using moral discretion.

Please do not judge your fellow man because he or she can see through the mirror of Christianity. Rather, open your mind and you will perhaps become a more convincing believer. Instead of scaring off potential disciples with your flagrant interpretation of the personality of your god, welcome the doubting. Allow them to see through the mirror to the possibility of a very individualized god and an intimate religious experience. Perhaps in the process we will all become more rationally aware of each other's views and appreciate the existence or nonexistence of our religious experiences.

—Dan Wiltshire

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